Defense Research and Engineering Network
Inter-Site Services Contract (DISC)

SITE SURVEY GUIDE

For

_____
(Site)

_____
(Building)

_____
(Room)

Prepared by:

AT&T
8th Floor
2020 K St. NW
Washington, DC 20006
(202) 776-6709

Site Survey Date: _____

Surveyor: _____

Issue 6, Feb. 17,2000

1.0 General

1.1 Organization

This Site Survey Guide (SSG) was prepared for use on contract DAHC94-96-D-0009, DREN Inter-site Services Contract (DISC). When completed, it contains the information required for AT&T to engineer, furnish, and install a Service Delivery Point (SDP) at a Government location. It is organized as follows:

Section 1	General
Section 2	DISC Introduction
Section 3	Site POC Responsibilities
Section 4	AT&T Technician Responsibilities
Section 5	Site Specific Survey Information
Section 6	SDP Type 1 Survey Information
Section 7	SDP Type 2 Survey Information
Section 8	SDP Type 3 Survey Information
Section 9	SDP Type 4 Survey Information
Section 10	Site Survey Concurrence

1.2 Schedule

When a Government Delivery Order (DO) is received, the SSG is forwarded to the site Point-of Contact (POC) in advance of the on-site survey. This allows the POC time to review the SSG and to collect the information required. If necessary, the POC can schedule additional personnel to be available during the on-site survey in order to provide supplementary information.

A technician from the AT&T Team will contact the POC to schedule the on-site survey. The site POC can require up to five (5) days notification before allowing the AT&T technician on-site. However, we try to make contact on Day 2 of the order interval and accomplish the on-site survey on Day 4 and, if required, Day 5. This gives AT&T time to prepare the site-specific SDP Plan (a contractual deliverable) and forward it to the Government Program Office within the 15 days required by the contract. A brief summary of the AT&T schedule includes:

Day 1	Review, validate, and accept DO
Day 2	Contact site POC and schedule site survey
Days 4 & 5	Conduct on-site survey
Days 6 to 10	Develop site-specific SDP Plan
Days 11 & 12	Complete engineering drawings
Day 13	Internal review
Day 14	Prepare final SDP Plan
Day 15	Deliver to Government Program Office

Should the site POC require the full 5 day notification interval before AT&T can accomplish the on-site survey, the time to develop the SDP Plan and engineering drawings is compressed into the final week of the interval.

1.3 Procedures

Answer all applicable questions in the SSG. Where an answer is not applicable, enter N/A. If additional space is required, include handwritten data as an attachment.

2.0 DISC Introduction

2.1 Background Information

The Defense Research and Engineering Network (DREN) provides state-of-the-art Wide Area Network (WAN) services to support the High Performance Computer (HPC) community and DoD Modeling and Simulation programs. The DREN Inter-Site Services Contract (DISC) provides HPC WAN services and management to fulfill the user's need for a high-speed, broadband network. The AT&T Team (AT&T, CSC, DynCorp, Nichols Engineering, and E-Systems [a division of Raytheon]) will design, integrate, install and manage the DISC-DREN network.

It is important to note, that the Government is buying services only. All hardware and software associated with the DISC program remains the property of AT&T.

Service Delivery Points (SDPs) provide the interface between Government systems and the AT&T Public ATM WAN. There are four distinct SDP types providing the required services. They are: Type 1, Internet Protocol (IP); Type 2, Asynchronous Transfer Mode (ATM); Type 3, Cell Emulation Service(CES); and, Type 4, Gateway Services - either IP or ATM.

The AT&T team is responsible for all aspects of service provisioning to include site survey and preparation, circuit ordering, integration and installation, and operations and maintenance.

2.2 Baseline Equipment

In order to facilitate the survey and installation process, there has been an adoption of a baseline equipment configuration for each type of Service Delivery Point (SDP). The baseline configurations listed in this section are used as a starting point in the survey process. Additions to these equipment configurations are determined by the AT&T architectural design team and are based on the answers obtained in this survey.

The actual SDP type installed is based upon the Delivery Order (DO) submitted to AT&T. An example of the type of service and equipment used in the SDP rack configuration can be found in **table 2.2-1**. The core elements of SDPs are a Cisco router and a FORE Systems ATM Switch.

NOTE: When an ATM NTU is installed, it is the core equipment at the SDP, and will be installed in a customer provided rack or shelf.

Table 2.2-1 Baseline Equipment

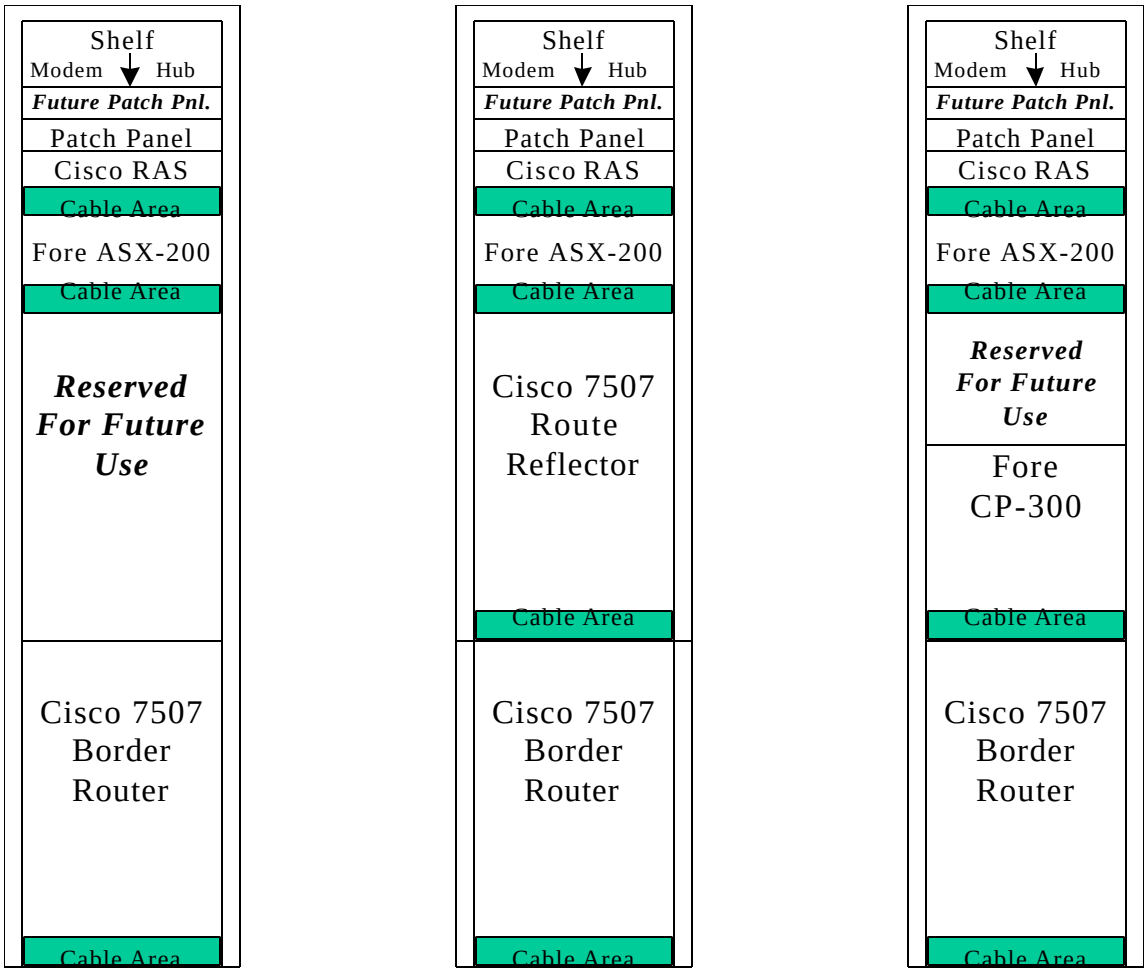
SDP Type	Service Type	Equipment Description
Type-1	Internet Protocol (IP)	FORE Systems ASX-200 ATM Switch, Cisco 7500 Series Router, Cisco 2500 Series Remote Access Server (RAS)
Type-1/NTU	Internet Protocol	RAD Data Communications ACE-101 NTU

	(IP)	
Type-2	Asynchronous Transfer Mode (ATM)	FORE Systems ASX-200 ATM Switch, Cisco 7500 Series Router, Cisco 2500 Series RAS
Type-2/NTU	Asynchronous Transfer Mode (ATM)	RAD Data Communications ACE-101 NTU
Type-3	Cell Emulation Service (CES)	FORE Systems ASX-200 ATM Switch, Cisco 7500 Series Router, FORE Systems CP300, Cisco 2500 Series RAS
Type-4	Gateway (either IP or ATM)	FORE Systems ASX-200 ATM Switch, Cisco 7500 Series Router, Cisco 2500 Series RAS
Type-4/NTU	Gateway (ATM)	RAD Data Communications ACE-101 NTU

2.3 Equipment Configurations

2.3.1 Current Stand-Alone SDP Rack

Figure 2.3-1 shows the rack face elevation of the equipment being installed.



Standard Config. | Route Refl. Config. | CES Config.

Figure 2.3-1 SDP Rack Face Elevations

An SDP refers to the Service Delivery Point. The equipment required to provide the specified service is provided by AT&T and is referred to as Customer Located Network Equipment (CLNE). All CLNE is provided in a single AT&T cabinet called the DISC-CLNE cabinet.

No Customer Provided Equipment (CPE) will be located within the DISC- CLNE cabinet. No CLNE will be removed from the AT&T cabinet and installed in a customer cabinet or rack.

All AT&T equipment is installed in the cabinet and tested prior to shipment to site. The Government connects, or obtains service, from a demarcation point (SDP) located on the DISC-CLNE patch panel. Usually this is a single point but in the case of a dual-attached option, there are two demarcation points for Government use.

2.3.2 ATM NTU

Figure 2.3-2 shows the face elevation of the equipment being installed.
NOTE: Equipment will be installed in a customer provided 19" rack or shelf.

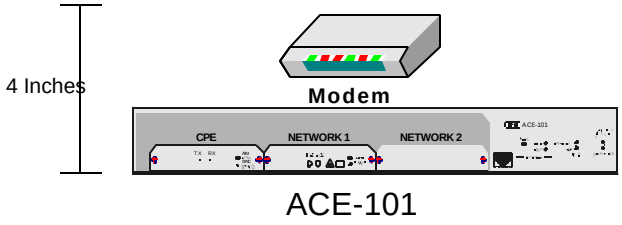


Figure 2.3-2 SDP Face Elevations

An SDP refers to the Service Delivery Point. The equipment required to provide the specified service is provided by AT&T and is referred to as Customer Located Network Equipment (CLNE). This CLNE will be installed in a customer provides cabinet or shelf.

All AT&T equipment will be tested prior to shipment to site. The Government connects, or obtains service, from a demarcation point (SDP) located on the ATM NTU (CPE Port).

2.4 Functional Configurations

2.4.1 Current Stand-Alone Configuration

Figure 2.4-1 shows the functional configurations of the equipment being installed.

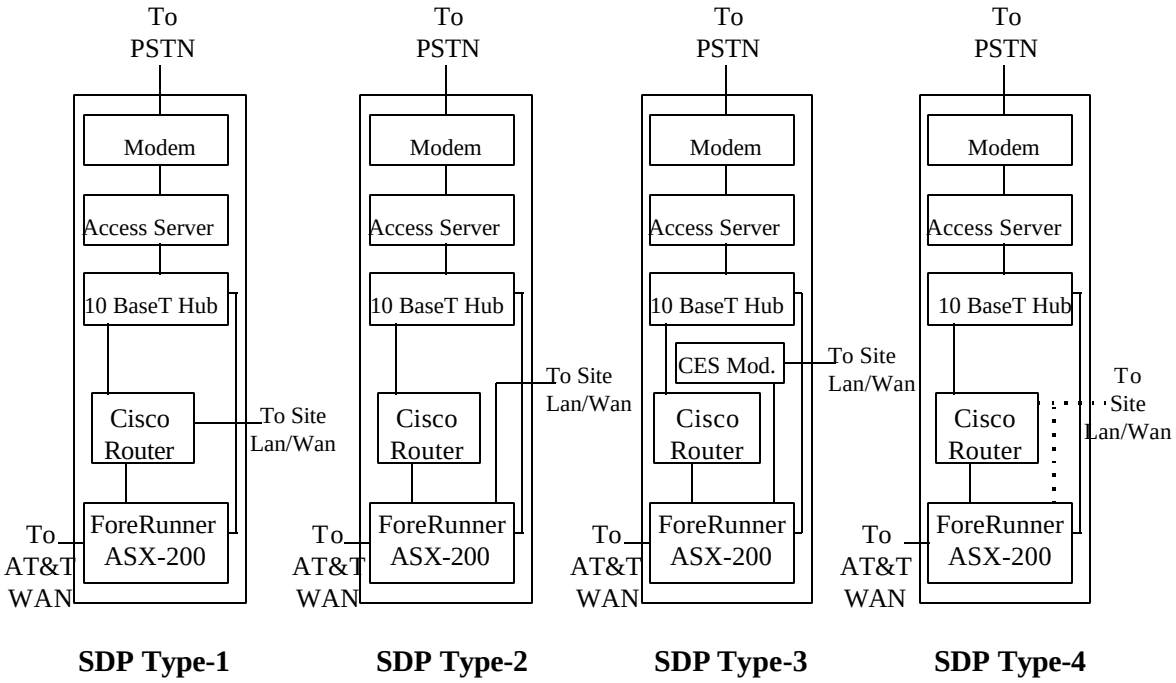


Figure 2.4-1 Functional Configurations

2.4.2 ATM NTU / Central Office Configuration

Figure 2.4-2 shows the functional configurations of the equipment being installed.
NOTE: AHSS and HSS refer to AT&T High Speed Services.

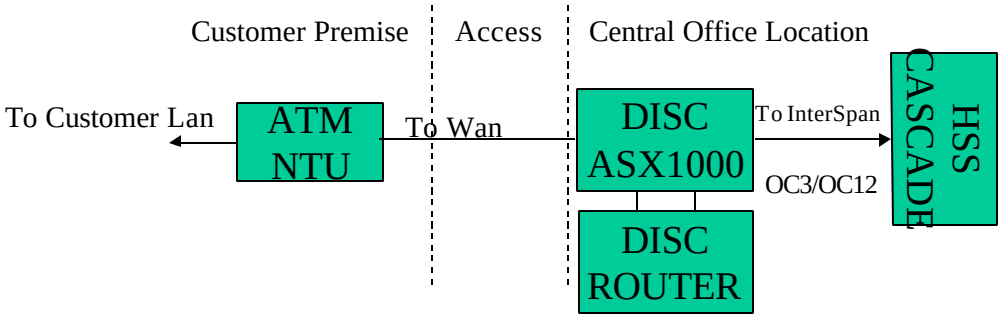


Figure 2.4-2 Functional Configuration

2.5 Connectivity

Figure 2.5-1 shows the connectivity of the equipment being installed.

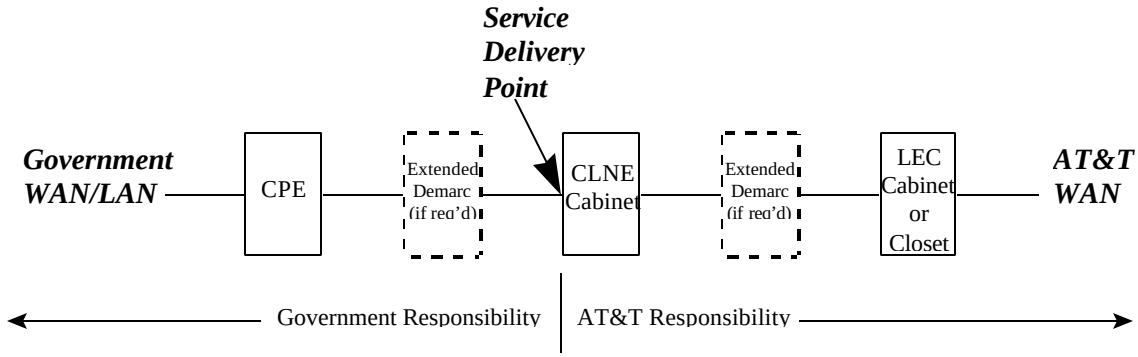


Figure 2.5-1 Connectivity

The Government is responsible for everything from their equipment to the Service Delivery Point (DISC-CLNE Cabinet / ATM NTU). This includes the cable. AT&T can provide and/or install this cable. AT&T recommends that this cable be no longer than 50 feet in length. If the distance is greater than 50 feet, the Government shall install an extended demarcation point to within 50 cable feet of the SDP.

AT&T is responsible for everything from the Service Delivery Point (DISC-CLNE Cabinet / ATM NTU) to the AT&T Public ATM WAN. AT&T will have the Local Exchange Carrier (LEC) or an Alternate Access Vendor (AAV) bring the access line into the Government site. If required, AT&T will have *ATM WAN demarc extended* to within 50 feet of the DISC-CLNE.

AT&T will have a telephone line (POTS) to the Public Switched Telephone Network (PSTN) installed. This line is for out-of-band monitoring of the DISC-CLNE.

2.6 Requirements

2.6.1 Interfaces

Government interfaces are via a single (single-attached) or two (dual-attached) cables to the Service Delivery Point - - the patch panel in the DISC-CLNE cabinet. Standard interfaces available on the patch panel are: ST, SC, FDDI, BNC, and RJ45. AT&T will also provide a connector block for an un-terminated RJ45 input.

AT&T interfaces include a ST (OC3) or a BNC (DS-3) to the LEC demarc and a RJ11 to the POTS line.

When the Service Delivery Point is the ATM NTU**,** the customer interfaces available are: SC (OC3) and BNC (DS3). AT&T interfaces include a ST (OC3) or a BNC (DS-3) to the LEC demarc and a RJ11 to the POTS line.

2.6.2 Power

The utility power shall satisfy the following criteria:

- Frequency: 60 Hz. ±3 Hz.
- Voltage Regulation: ±10%.
- Transients: Up to 200V for periods to one second.
- Utility power feeders shall be sized to limit voltage drop to no more than 2% of nominal at full operating load and shall be breaker-protected.
- Surge Protection.
- No more than 5% Total Harmonic Distortion (THD).

In the event that power does not meet the above specifications, site alterations will be required to ensure that the specifications are met.

2.6.2.1 Current Stand-Alone Configuration

Each DISC-CLNE equipment cabinet requires two (2) separate dedicated 120VAC / 20A single phase circuits terminating in (NEMA 5-20R) power outlets. These circuits shall terminate within 3 feet of the CLNE cabinet.

A DC power option is available for sites such as a Network Access Provider (NAP). If this option is exercised, the site must provide two (2) -48VDC / 40A dedicated circuits. These circuits shall terminate within 3 feet of the DISC-CLNE cabinet. In addition, a single 120 VAC / 15A circuit terminating within 3 feet of the DISC-CLNE cabinet is required.

2.6.2.2 ATM NTU Configuration

Each AC-powered ATM NTU requires two (2) separate dedicated 120VAC / 2 A single phase circuits terminating in (NEMA 5-20R) power outlets. These circuits shall terminate within 3 feet of the equipment.
Each DC-powered ATM NTU requires two (2) separate dedicated -48 VDC / 4 A circuits. In addition, a single 120 VAC / 2 A circuit terminating within 3 feet of the ATM NTU is required to power the modem.

2.6.3 Grounding

When installed on-site, all CLNE equipment will be grounded to station ground. This ground may be referred to as building ground and is commonly tied into or near the facility power panel. The purpose of this ground is to provide electrical protection for the CLNE.

It may be necessary to have a Government Facility Engineer (FE) involved in the identification of the proper location and termination of these ground points.

2.6.4 Dimensions

2.6.4.1 Current Stand-Alone Configuration

The CLNE cabinet outside measurements are:
Height 77.0 inches
Width 23.6 inches
Depth 31.5 inches
Note: Cabinets with non-standard heights can be obtained if the Government facility has a ceiling restriction (e.g.; a vault, etc.).

2.6.4.2 ATM NTU Configuration

Height:	1.70 in	"3.7 in -- including modem"
Width:	17.00 in	
Depth:	13.78 in	

2.6.5 Floor Loading

The floor loading of the DISC-CLNE cabinet is less than 500 pounds. This weight will be distributed over a five square foot area (24-inch by 30-inch rack footprint) for a maximum floor loading of 100 pounds per square foot.

NOTE: The ATM NTU configuration weight: 6.20 lb.

2.6.6 Storage/Staging Space Requirements

DISC-CLNE cabinets will be shipped to the site with the equipment pre-installed and tested. The rack will have casters installed for ease in off-loading and placing in the storage area. A loading dock capable of handling truck cargo is required to off-load the DISC-CLNE cabinet and test equipment. Clear passage from the loading dock to the storage area is required. Doors and passageways must be a minimum of 3 feet wide by 7 feet high.

The space needed to accommodate storage and staging of the DISC-CLNE cabinet, test equipment, installer tool chest, and other miscellaneous items to aid in the site installation is approximately 100 square feet.

In the event site alterations are required (e.g.; walls added or moved, raised floor installed, electrical conduit installed, etc.), additional storage and staging space may be required. This would be based on AT&T's sub-contractor's requirements to store site alteration tools, equipment, and materials. In the event that the storage space is unavailable, any schedule delays will be the responsibility of the government.

2.6.7 Installation Area Requirements

Clear passage from the storage area to the installation area is required. Doors and passageways must be a minimum of 3 feet wide by 7 feet high. A minimum installation area of 3 feet in front of the cabinet and 2 feet behind is required.

2.7 Site Alterations

Site alterations may be required. Alterations, as defined in the contract, include:

1. Transmission Media Construction
    - AT&T back-haul (between AT&T's Public ATM WAN and AT&T's Point-of-Presence (POP)
    - LEC or AAV access lines
    - POTS line
    - Extension of ATM WAN demarc "if necessary".
2. Building Modifications
    - Erection of walls
    - Installation of raised floors
    - Installation of plenum ceilings
    - Addition of HVAC equipment and distribution systems
    - Modifications to existing HVAC equipment and distribution systems
    - Addition of power feeders and distribution boxes
    - Core drilling
    - Construction of cable holes and the installation of vertical risers
    - Installation of cable troughs
    - Addition or extension of fire detection and alarm system
    - Addition of egress panels for cable runs between facilities
    - Reinforcement of existing floors to meet floor loading requirements
    - Addition or modification of grounding system
3. Power
4. HVAC
5. Plumbing
6. Cable and signal wire connections

Both the Government POC and the AT&T technician must understand the significance of the building alteration data and to pay close attention to the details of any required changes to the building. Each and every aspect of the building environment must be detailed in the site survey guide.

3.0 Site POC Responsibilities

The site POC is responsible for:

- Coordinating the on-site survey with the AT&T technician
- Providing the information required to complete the site survey
- Receiving the equipment on-site and signing the shipper's bill-of-lading (both annotating the bill-of-lading and notifying AT&T if damage is observed)
- Providing secure storage of the equipment received
- Notifying AT&T of any and all hazardous materials in the storage, staging, and installation

areas
- Ensuring all hazardous materials are properly contained or removed prior to the on-site survey, site alteration activities, and the receipt and installation of the equipment
- Identifying which site alteration activities will be performed by the Government and which activities AT&T will perform
- Providing floor plans
- Completing Site Concurrence Agreement.

4.0 AT&T Technician Responsibilities

The AT&T technician is responsible for:
- Forwarding a copy of the SSG to the site POC in advance of the on-site survey
- Coordinating the on-site survey with the site POC
- Completing all entries in the SSG with the appropriate answer (or N/A)
- Reviewing site preparation, equipment delivery, and technical issues as requested by site personnel
- Identifying which site alteration activities will be performed by the Government and which activities AT&T will perform
- Identifying local sub-contractors (site preferred vendors if possible) who can perform the required alterations
- Developing a detailed sketch of the equipment room to include the planned location of the DISC-CLNE cabinet / ATM NTU, cable and signal wire measurements and paths, demarc points, alterations required, etc.
- Obtaining Site Concurrence Agreement
- Preparing the site-specific SDP Plan for submission to the Government.

5.0 Site Specific Survey Information

5.1 POC Information

Site POC: _____

Telephone/Fax: (Commercial) _____

POC Address: _____

_____

_____

E-mail: _____

Alternate Site POC: _____

Telephone/Fax: _____
(Commercial)
Address: _____
(if different)

_____

_____

E-mail: _____

Receiving POC: _____

Telephone/Fax: _____
(Commercial)
POC Address: _____
(if different)

_____

E-mail: _____

Base Communications Officer :_____

Telephone/Fax: _____
(Commercial)
Address: _____
(if different)
E-mail: _____

Other specific/special comments or issues? Please note below. List any other site personnel needed to perform site survey (e.g.; civil engineer, Comm Officer, etc.) Provide telephone numbers.

_____
____

_____
____

_____
____

5.2 Site Information

5.2.1 Facilities

A. Directions to Base/Facility:

_____

_____

_____

_____

_____

_____

B. Street Address of Building Where the SDP is to be Installed:

_____

_____

_____

_____

C. Room Number/Floor where Equipment Will Be Installed: _____

_____

D. Nearest Cross-street to Address Listed Above: _____

_____

E. Identify the Local Service Office Prefix (3 digits): _____

F. List Facility Access Procedures _____

_____

_____

_____

_____

_____

_____

5.2.2 Site Alteration Data

A. Is there a secure storage room/area for the DISC-CLNE equipment and the installer's tools?
Yes ( ) No ( )

If yes, provide room number:_____

What is the method of security (limited access, cipher-locked door, etc.):
_____

B. Is there a staging room/area for the DISC-CLNE equipment?
Yes ( ) No ( )

If yes, provide room number: _____

C. Is the DISC-CLNE cabinet to be installed on a raised floor?
Yes ( ) No ( ) NA ( ) ATM NTU

If yes:
1. Who is responsible for cutting the floor tiles below the DISC-CLNE cabinet? AT&T ( ) Govt. ( )
2. What is the distance between the raised and true floors? Distance _____

D. Is AT&T required to anchor the DISC-CLNE cabinet to the true floor?
Yes ( ) No ( )

E. Is there sufficient existing space available for the placement of the DISC-CLNE cabinet?
Yes ( ) No ( )

1. If no, what existing furnishings must be relocated in order to accommodate the DISC-CLNE cabinet? (Note: Furnishings refer to items such as hanging light fixtures, desks, carpets, etc. See item N for comm equipment relocation.)
_____
_____
_____

2. Who is responsible for the relocation of these furnishings?
AT&T ( ) Government ( )

F. Will all doors and passageways to be used meet the 3' wide by 7' high requirement?
Yes ( ) No ( )

If no, describe:
_____
_____
_____

G. Does the facility pose any environmental hazard to personnel working within the area (e.g., asbestos)?

Yes ( ) No ( )

If yes, specify:

_____
_____
_____
_____

H. Is this a historical building?

Yes ( ) No ( )

If yes, identify the POC who can provide the detailed preservation requirements for this location:

_____
_____
_____
_____

I. Are there seismic requirements at this site?

Yes ( ) No ( )

If yes, specify:

_____
_____
_____
_____

J. What are "normal" operational hours? _____

K. Can all site preparation work be performed during normal work hours?

Yes ( ) No ( )

If no, what work must be performed off-hours? _____

_____
_____
_____
_____

L. How are the cables to enter the DISC-CLNE cabinets?

Above	( )
Below	( )
ATM NTU	(NA)

M. Cable Trays or Conduit

1. Are cable trays or conduit required at this location? ( ) Yes ( ) No
   a. If required who will install? ( ) AT&T ( ) Govt.

b. If AT&T, where will they be installed?
( ) above cabinets ( ) below floor ( ) in overhead

c. What is their primary purpose? (Check all that apply)
( ) power ( ) communications ( ) fiber ( ) ground

2. If cable trays or conduit are required, *AND*, AT&T will install them, describe the existing cable tray or conduit: include dimensions, color, metal type, support mechanism, manufacturers information. (attach a drawing of the existing cable tray system to this document.)

_____
_____
_____
_____

3. If cable trays or conduit are required, *AND*, AT&T will install them, describe in detail the installation required: include footage, support mechanisms, if/how the tray will interface with the cabinet.

_____
_____
_____
_____

N. Are there requirements for either AT&T or the Government to move existing Government equipment?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages and sketches as required.

_____
_____
_____
_____
_____
_____
_____
_____
_____

O. Are there requirements for either AT&T or the Government to add, move or modify: walls, doors, ceilings, or floors?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages and sketches as required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____

_____
_____
_____
_____
_____
_____
_____
_____

P. Do the fire suppressant systems or fire alarms need to be modified by either AT&T or the Government?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages and sketches as required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors. Also provide the fire marshal's POC, address, and telephone number.

_____
_____
_____
_____
_____
_____
_____
_____
_____

Q. Is there a requirement for either AT&T or the Government to perform core drilling at this site?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages and sketches as required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____
_____
_____
_____
_____
_____
_____
_____

R. Are any HVAC site modifications required to be performed by either AT&T or the Government?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages and sketches as required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____
_____
_____
_____
_____
_____
_____
_____
_____

S. Please note current room conditions:

a. Temperature _____ (Operating range 32F to 80F).

b. Relative Humidity _____ (Operating range 10 to 95 percent)

T. Are any building power modifications required to be performed by either AT&T or the Government?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages and sketches as required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____
_____
_____
_____
_____
_____
_____
_____
_____

U. Are other facilities modifications required to be performed by either AT&T or the Government in order to complete the installation of this SDP?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach

additional pages and sketches as required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____
_____
_____
_____
_____
_____
_____
_____
_____

V. Will AT&T need to obtain any special permits or licenses to perform the modifications listed?
Yes ( ) No ( )

If Yes, please describe.

_____
_____
_____
_____
_____
_____
_____
_____

5.2.3 DISC CLNE Power/Ground

5.2.3.1 DISC AC Power

5.2.3.1.1 Current Stand-Alone Configuration

Note: Each DISC-CLNE equipment cabinet requires two (2) separate dedicated 120VAC / 20A single phase circuits terminating in (NEMA 5-20R) power outlets. These circuits shall terminate within 3 feet of the CLNE cabinet.

5.2.3.1.2 ATM NTU Configuration

Note: Each ATM NTU requires two (2) separate dedicated 120VAC / 2 A single phase circuits terminating in (NEMA 5-20R) power outlets. These circuits shall terminate within 3 feet of the equipment.

A. Provide the following circuit information:

Circuit A Power Panel ID

_____

Circuit Breaker ID

_____

Distance between outlet and DISC-CLNE / cabinet

_____

Circuit B Power Panel ID

_____

Circuit Breaker ID

_____

Distance between outlet and DISC-CLNE cabinet

_____

B. Will either AT&T or the Government be required to extend power to the DISC-CLNE cabinet?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages as required. Sketch the location of the power panels, the existing power runs and the extension required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____
_____
_____
_____
_____
_____
_____
_____
_____

5.2.3.2. DISC DC Power (*Optional - for Central Office [CO] Environments only*.)

5.2.3.2.1 Current Stand-Alone Configuration

Note: AT&T provides a DC power option for a CO environment such as that found in a NAP. AT&T requires two (2) -48VDC / 40A dedicated circuits terminating in the DISC cabinet and one (1) 120VAC / 20A circuit terminating within 3' of the DISC-CLNE cabinet.

5.2.3.2.2 ATM NTU Configuration

Note: AT&T provides a DC power option for a CO environment such as that found in a NAP. AT&T requires two (2) -48VDC / 4 A dedicated circuits terminating on the ATM NTU and one (1) 120VAC / 2 A circuit terminating within 3' of the equipment.

A. Provide the following circuit information:

DC Feed A Power Panel ID

_____

Fuse ID

_____

Distance between panel and DISC-CLNE cabinet _____

DC Feed B Power Panel ID

_____

Fuse ID

_____

Distance between panel and DISC-CLNE cabinet _____

AC Circuit Power Panel ID

_____

Circuit Breaker ID

_____

Distance between outlet and DISC-CLNE cabinet _____

B. Will either AT&T or the Government be required to extend power to the DISC-CLNE cabinet?

N/A ( ) AT&T ( ) Government ( )

If yes, describe the work to be performed. Be very complete and specific. Attach additional pages as required. Sketch the location of the power panels, the existing power runs and the extension required. ***Note:*** if AT&T is to perform the work, also provide name, address, telephone number and hours of operation for all local contractors, *AND* identify site preferred contractors.

_____
_____
_____
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5.2.3.3. DISC Ground

Note: AT&T provides the connection between the DISC-CLNE and building ground. However, this connection must be within 10' of the cabinet being installed.

A. Where is the precise location of the building ground tie-point? (Please provide sketch.)

Location:

_____
_____
_____
_____
_____

B. What type of termination is required at this tie-point? (Be specific as to type and size.)

Type _____

Size _____

C. What is the distance from the building ground tie-point to the DISC-CLNE cabinet?

Distance _____

D. If the distance is greater than 10', is AT&T responsible for extending the building ground to the DISC-CLNE cabinet?

Yes ( ) No ( )

If yes, how is the cable to be installed from the building ground tie-point to the DISC-CLNE cabinet?

Conduit	( )
Ladder	( )
Duct	( )
Under-Floor	( )
Other	( )

If other, please specify:

_____
_____
_____
_____

E. Will the existing building ground meet the 15 ohms or less requirement?

Yes ( ) No ( )

5.2.4 Government LAN / Demarcation Point

A. Is AT&T to provide and install the cable connecting the Government equipment (LAN) to the SDP, or will the Government provide and install the cable?

AT&T ( ) Government ( )

1. What type of cable(s) is/are required? (List both for Dual-attached.) _____
_____
_____
_____
_____

2. What type of connector (s) is/are required to connect to Government equipment or LAN? (List both for Dual-attached.) _____
_____
_____
_____
_____

3. Attach sketch showing cable run(s). (Show both for Dual-attached.)

4. Is/are the cable distance(s) between the Government and the SDP less than 50'?

Yes ( ) No ( )

B. If the Government demarc is greater than 50' from the SDP, who will extend this demarc to within the 50' maximum distance from the SDP?

N/A ( ) AT&T ( ) Government ( )

If an extension is required, describe the work to be performed. Be very complete and specific. Attach additional pages as required. Sketch the location of the current demarc and the extended demarc. Show path for all cables.

_____
_____
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5.2.5 AT&T WAN Access / Demarcation Point

Note: AT&T is required to bring the circuit into the SDP from the LEC/AAV demarc point. Precise information is required to determine how this connection will be accomplished.

A. Provide the following information on the current access provider.

Company _____
POC Name _____
Telephone No. _____
Type of access: Ds1, Ds3, Oc3, Oc12, or Oc48 (when commercially available) _____
Demarc Location on base/facility:
Building _____
Room _____
Cabinet/Rack _____
Street Address _____
_____
_____
_____
_____
Nearest Cross Street to above address _____
_____

B. AT&T's designated access provider if different than the current access provider.
Company _____
POC Name _____
Telephone No. _____
Type of access: Ds1, Ds3, Oc3, Oc12, or Oc48 (when commercially available)
_____
Demarc Location on base/facility:
Building _____
Room _____
Cabinet/Rack _____
Street Address _____
_____
_____
_____
_____

C. Is there another company (other than the access provider listed) responsible for on-base/facility wiring and cabling?
Yes ( ) No ( )

If yes, provide the following information:
Company _____
POC Name _____
Telephone No. _____

D. Is the demarc location for the AT&T designated access provider located within 50' of the SDP?
Yes ( ) No ( )

E. If the answer to item C is YES, please provide a sketch showing the demarc location and the cable runs to the SDP. _____
_____

_____
_____

E. If the demarc for the designated Lec/AAV is not within 50' of the SDP, then answer both 1) 2) below.

1) Is there GFE available to connect the demarc and the SDP? If so, does it require any additional equipment from AT&T (such as muxes) ?

2) AT&T may have to contract the LEC/AAV or a 3rd party to connect the LEC/AAV within 50 feet of the SDP.

Describe the work to be performed. Be very complete and specific. Attach additional pages as required. Sketch the location of the current demarc and the extended demarc. Show path for all cables. If cables run between buildings, show these paths and indicate how they are run (e.g.; overhead, underground, etc.).

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5.2.6 POTS Circuit

Note: AT&T will provide a POTS line to the SDP. This circuit is required to provide out-of-band management of the service.

A. Provide the following information on the Site communications POC (e.g.; comm officer):

POC Name

_____

Telephone No.

_____

B. Provide the following information on the current Site communications provider:

Company _____
POC Name _____
Telephone No. _____

C. Provide a sketch containing the following information on the POTS demarc:

1. Where the distribution frame is located
2. Cable path to the SDP
3. Cable distance to the SDP

D. Provide the following information on the distribution frame:

1. The POTS line enters the distribution frame from?
   Above ( ) Below ( )

2. Are there reserved positions on the distribution frame?
   Yes ( ) No ( )

   If yes, what are the assignments? _____
   _____

3. What type termination is required?
   Wire-wrap ( ) RJ-21 ( ) Solder ( ) Other ( )

   If other, please describe _____
   _____

4. Is either AT&T or the Government required to install a termination block on the distribution frame?
   N/A ( ) AT&T ( ) Government ( )

   If yes, specify:
   Type Wire-wrap ( ) Solder ( ) Type 66 ( )
   Other ( ) [Describe]_____
   _____

   Manufacturer _____

   Model No. _____

E. Is there a special requirement for plenum-rated cable?
   Yes ( ) No ( )

5.2.7 Other

A. Describe any other building, site or environmental modification needed to successfully complete the installation of the SDP?

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_____
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B. Describe any POC / Site issues or concerns not previously cited.

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6.0 SDP Type 1 / Type 1 NTU Survey Information

6.1 Purpose

This section is used to collect data from sites that have ordered a Type1 IP SDP. It is not used for other than IP sites. However, responses to questions in par. 7.2 (Type 2) may direct you to provide answers to specific questions in par. 6.2 (i.e.; when the ATM site provides IP transport services).

6.2 Configuration Information

	DATA REQUIRED	GOVERNMENT ANSWER	REMARKS
CPE IP Interface Type	The customer LAN interface medium to the Type 1 SDP. Include model, vendor, software version etc.		FDDI, Ethernet (10baseT), etc. e.g. Cisco 7507, Bay Network 2000, etc. *Must include model no.; e.g., Cisco 7507* Cisco IOS Version 11.1(5), etc.
Customer BGP Peer IP Address	The IP address that the DISC EBGP session(s) will be established		134.164.8.1, 129.132.10.2, etc. (Note: May have multiple addresses.)
Customer assigned IP address for DISC router	The customer assigned IP address to the DISC border router		134.164.8.1, 129.132.10.2, etc.
Customer assigned Subnet Mask	The subnet mask for the above interconnect IP Address		255.255.248.0, 255.255.255.0, etc.
Autonomous System (AS) Number	The Autonomous System Number the Site is configured in.		Example: AS 668
Additional AS Numbers	List of BGP ASs (in order) that will be advertised by the customer to the DISC AS:		Example: 668 668-22 668-22-5881
External Routing	The Site external Routing Protocol.		BGP-4, EGP, Static, etc. *Must include BGP version no.; e.g., BGP-4.*
Advertised Network Number(s)	The network prefix(es) that will Be advertised by the customers External routing protocol		200.200/16 NOTE: This information is helpful if provided but not mandatory
Networks advertised to Internet	Should your network numbers be advertised to the internet by DISC - yes/no		If no, network numbers will only be advertised to other DISC customers
Multi-homed	yes/no Does customer have other inter-service providers?		If yes, you must respond to "Full Routing Table" question.

	DATA REQUIRED		GOVERNMENT ANSWER	REMARKS
Full Routing Tables	yes/no	Does customer wish to receive full Internet routing tables from DISC?		Note: If the customer is multi-homed and uses BGP, the answer *should be yes* (but could be no). If the customer is simply homed (i.e. DISC is its only Internet service provider), the answer *should be no* (but could be yes).
Point IP "Default"	yes/no	Does customer intend to point their IP routing default path at DISC?		Must be answered if answer to "Full Routing Tables" is NO.
SNMP Mgr. Station Address	The HOST IP ADDRESS of the SNMP Network Management Station having read-only access to the Site SDP.			134.164.8.1, 129.132.10.2, etc. (Note: May have multiple addresses.)
SNMP Community String	Customer SNMP Community String for Read Only access of DISC router interface by customer NMS			Example: "read_only_string"

7.0 SDP Type 2 / Type 2 NTU Survey Information

7.1 Purpose

This section is used to collect data from sites that have ordered a Type 2 ATM SDP. It is not used for other than ATM sites.

7.2 Configuration Information

	DATA REQUIRED	**GOVERNMENT ANSWER**	**REMARKS**
CPE Interface	Type of physical device attached directly to the SDP port. *Include model, type, and software version.*		Fore ASX-200BX w/ ForeThought 4.0.2, Cisco 7507 w/ Cisco IOS Ver. 11.1(5), etc.
Version of Public UNI on CPE Port	User-to-Network Interface version supported by the port on the physical device attached to the SDP.		*Customer port MUST be configured as Public UNI, user side. Ex. 3.0, 3.1, 4.0*
IP Transport Services	Yes / No Does a customer router exchange routing information with a DISC router across the SDP?		If yes, we highly recommend that the customer port have a PVC configured to exchange routing information with a DISC router.
	If answer to the above IP Transport Service is Yes, the following items on the IP table (Par. 6.2) must be completed: Customer BGP Peer IP Address, Customer Assigned IP Address, Subnet Mask, Autonomous System No., Additional AS Numbers, External Routing, Advertised Network Numbers, Full Routing Tables, Point IP Default, SNMP Mgr. Stations Addresses, SNMP Community String.		
SVC's	Yes/No Does Site require Switched Virtual Circuits across DISC to remote sites?		If Yes, must complete the Customer ATM Address Prefix (below).
Customer ATM Address Prefix	13 byte ATM network prefix(es) /None		(Note that the first two bytes indicate the address format [ICD, DCC, E.164].)
Other ATM networks	Yes/No Does this Site interconnect its ATM network to other (non-DISC) ATM networks, such as ESnet or vBNS?		If yes, specify details. If possible, please include a network map (i.e. addresses, topology, inter-network interface type (UNI, NNI, etc.)

	DATA REQUIRED	GOVERNMENT ANSWER	REMARKS
RFC 1577 ARP Client	Yes/No Does Site require a DISC router interface to participate in customer's RFC 1577 LIS?		**This answer should be N/A!** The question is applicable only if the customer does not configure a PVC to exchange routing information with DISC. *If yes, the following items must be completed: ARP Server ATM Address, ARP Client IP Address, and RFC 1577 ARP Service.*
ARP Server ATM Address	20 byte ATM end system address		FULL 20 byte ATM address of customer's ARP Server which will provide IP/ATM ARP for the DISC Router interface participating in customer's LIS.
ARP Client IP Address	IP Address IP host address to give to the DISC Border Router interface [ARP Client].		Same IP address as listed under IP Transport Service if IP Transport Service Answered Yes.
RFC 1577 ARP Service	Yes/No Does Site require DISC router interface to participate as a client in the LIS *AND* also provide the ARP service for that LIS?		If yes, DISC provides Site with ARP Server ATM Address.

8.0 SDP Type 3 Survey Information

8.1 Purpose

This section is used to collect data from sites that have ordered a Type 3 CES SDP. It is not required for sites other than Type 3.

8.2 Configuration Information

Not required for this site survey.

9.0 SDP Type 4 Survey Information

9.1 Purpose

This section is used to collect data from sites that have ordered a Type 4 SDP. It is not required for sites other than Type 4.

9.2 Configuration Information

Not required for this site survey.

10.0 Site Survey Concurrence

This section contains the agreement between the site POC and the contractor that the work described in this site survey guide is required and the responsibility for completing that work is as described within each section of this site survey guide.

10.1 Site Concurrence Agreement

The government agrees to perform the work identified as a government responsibility in this document.

Site POC Signature: _____

Date: _____

Comments:_____
_____
_____
_____
_____

The contractor agrees to perform the work identified as a Contractor responsibility in this document.

Surveyor signature: _____

Date: _____

Comments:_____
_____
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